

FIG. 1A
(PRIOR ART)

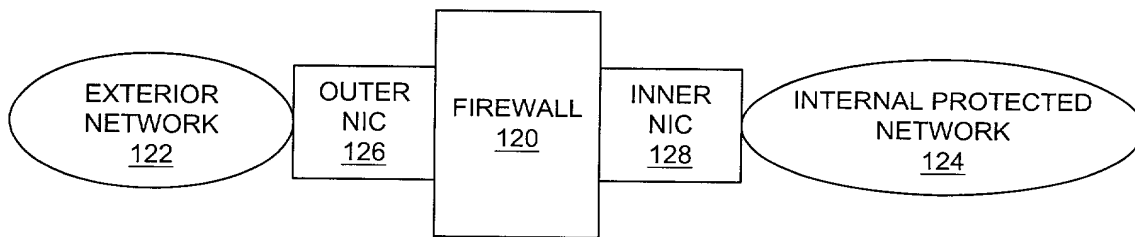


FIG. 1B
(PRIOR ART)

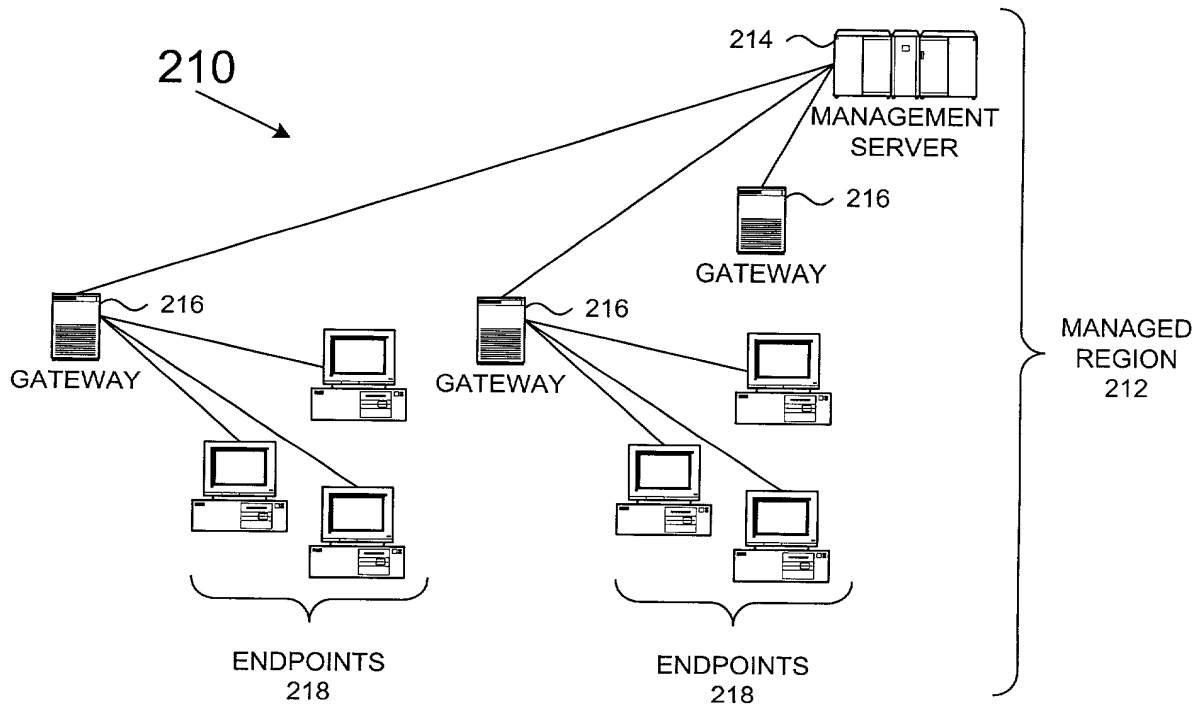


FIG. 2A

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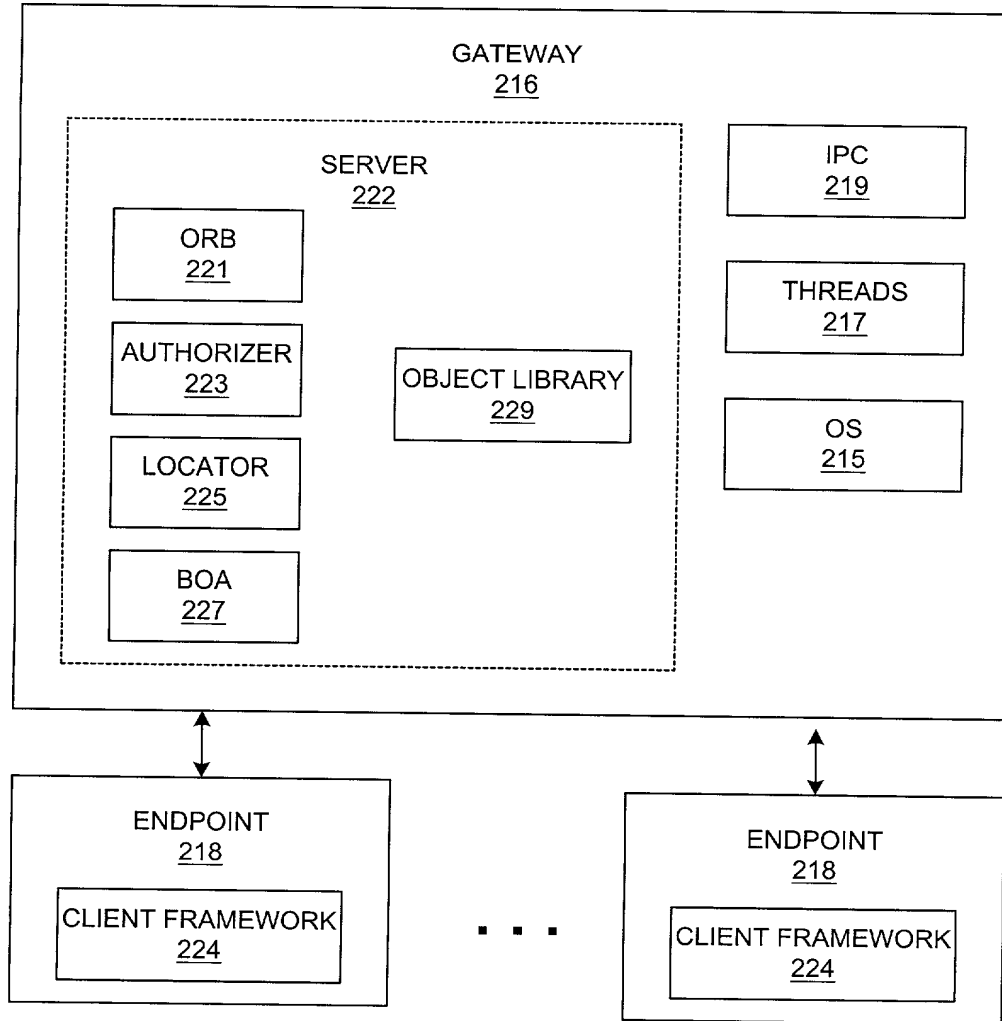


FIG. 2B

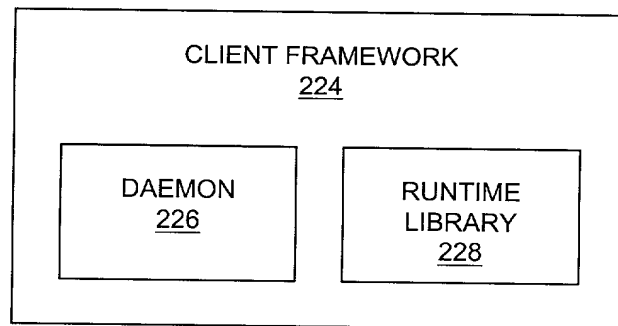


FIG. 2C

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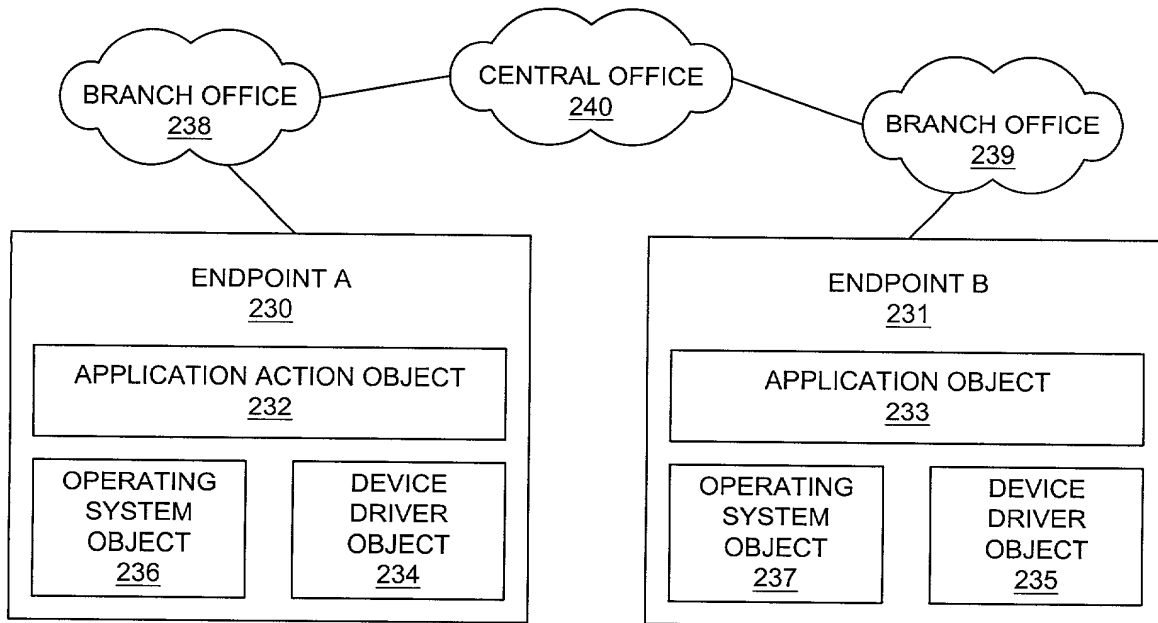


FIG. 2D

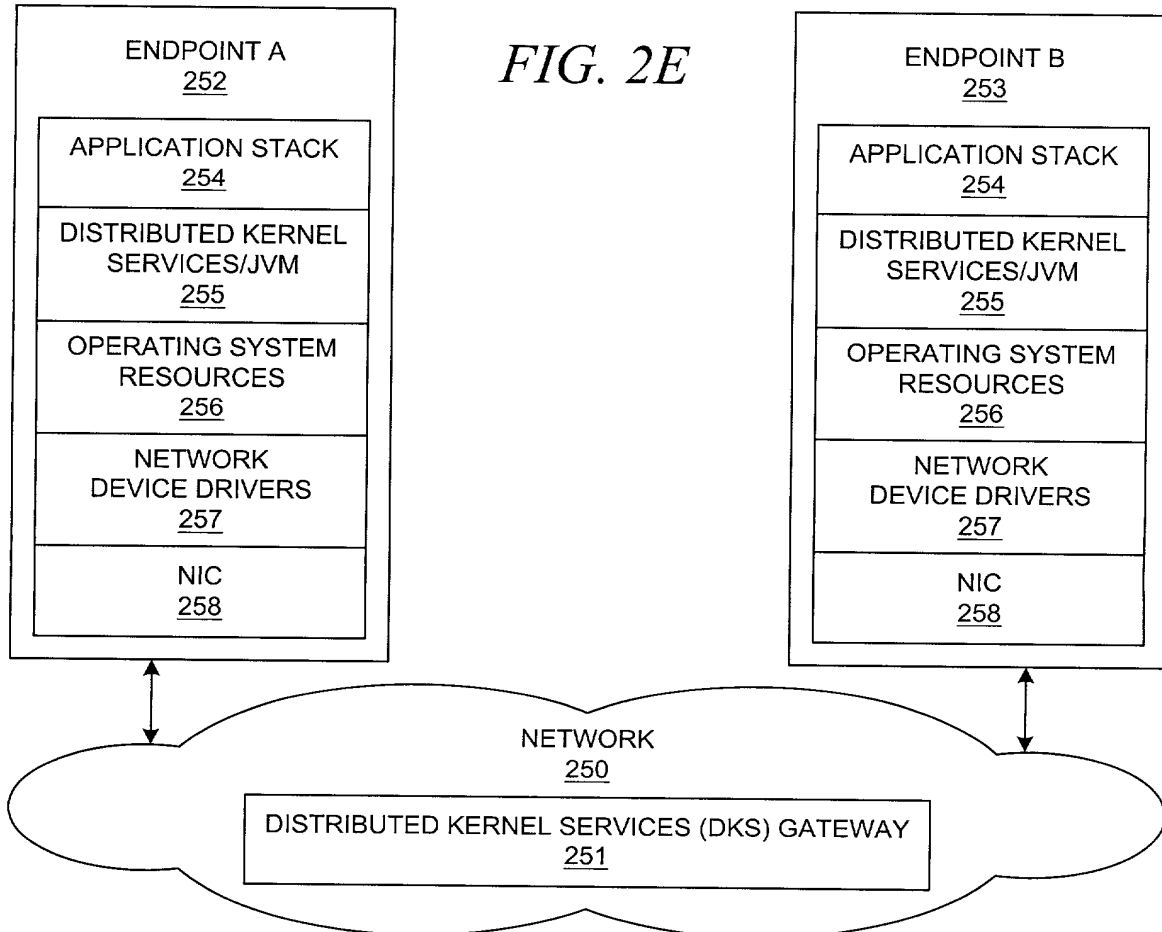


FIG. 2E

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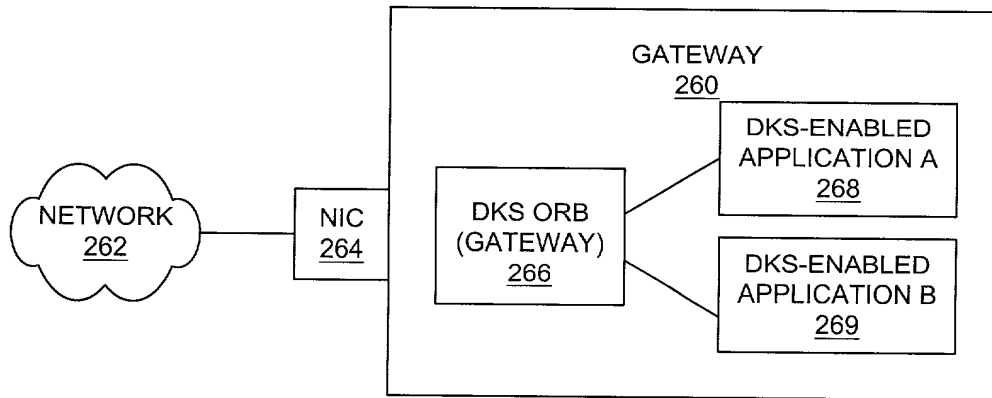


FIG. 2F

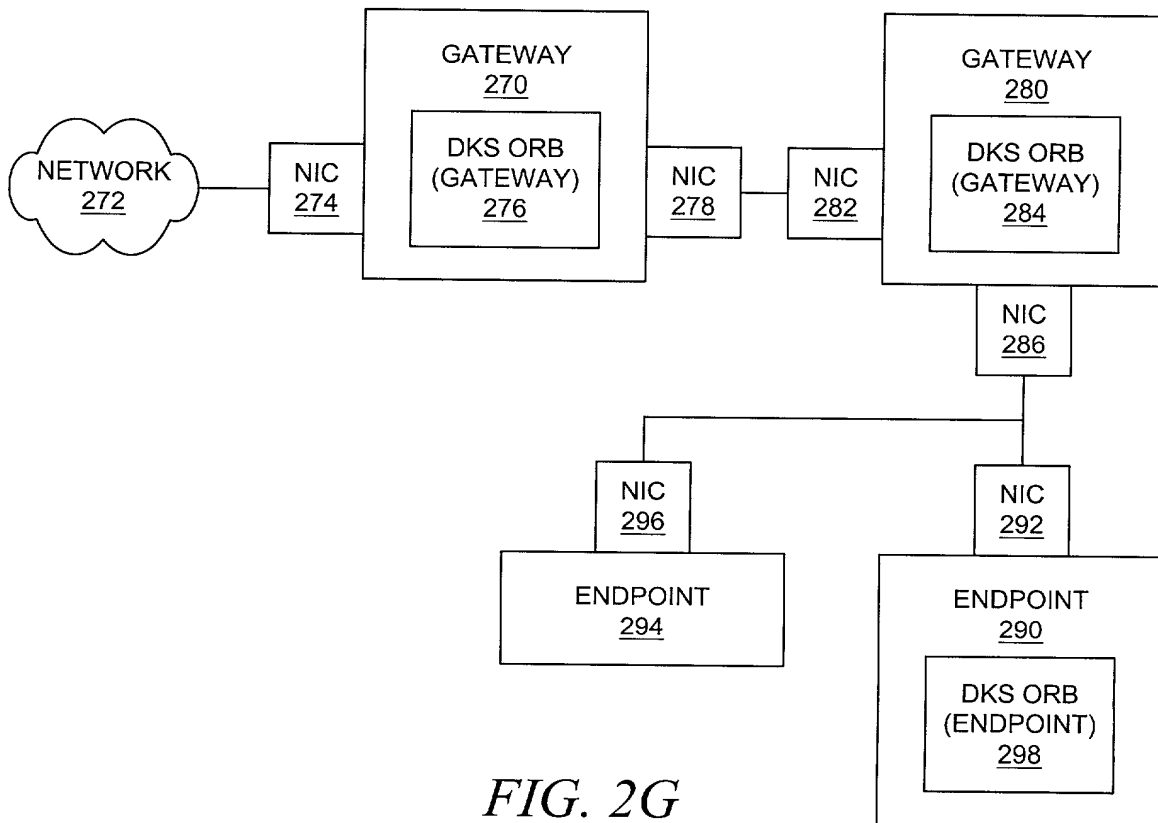


FIG. 2G

Method and system for management of resource leases
in an application framework system

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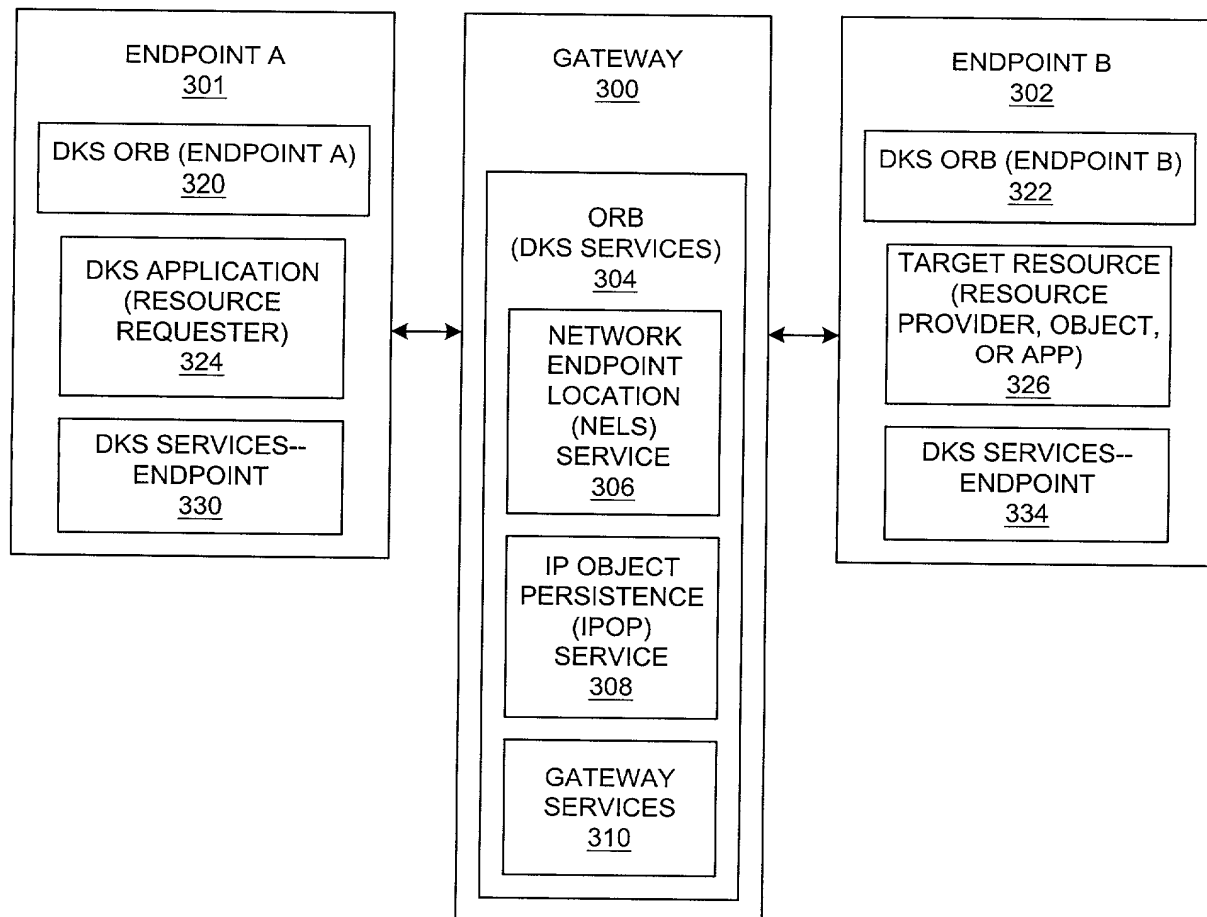


FIG. 3

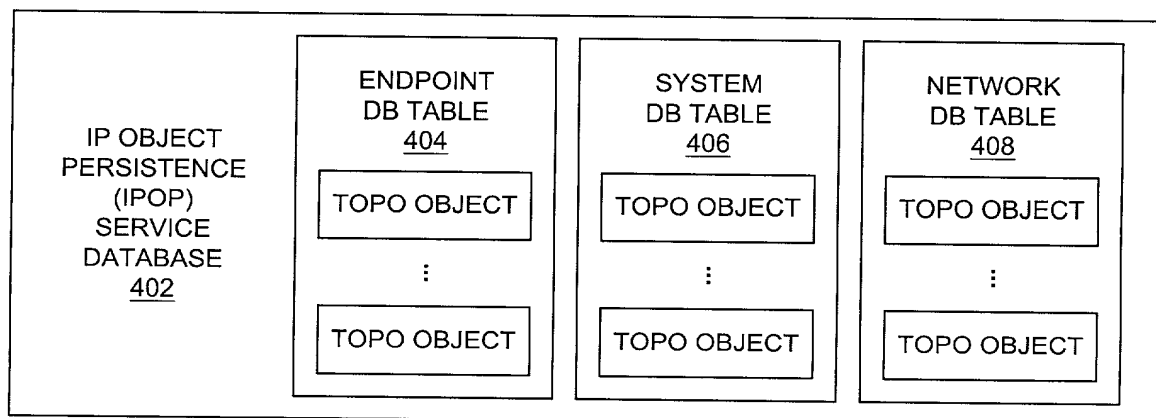


FIG. 4

Method and system for management of resource leases
in an application framework system

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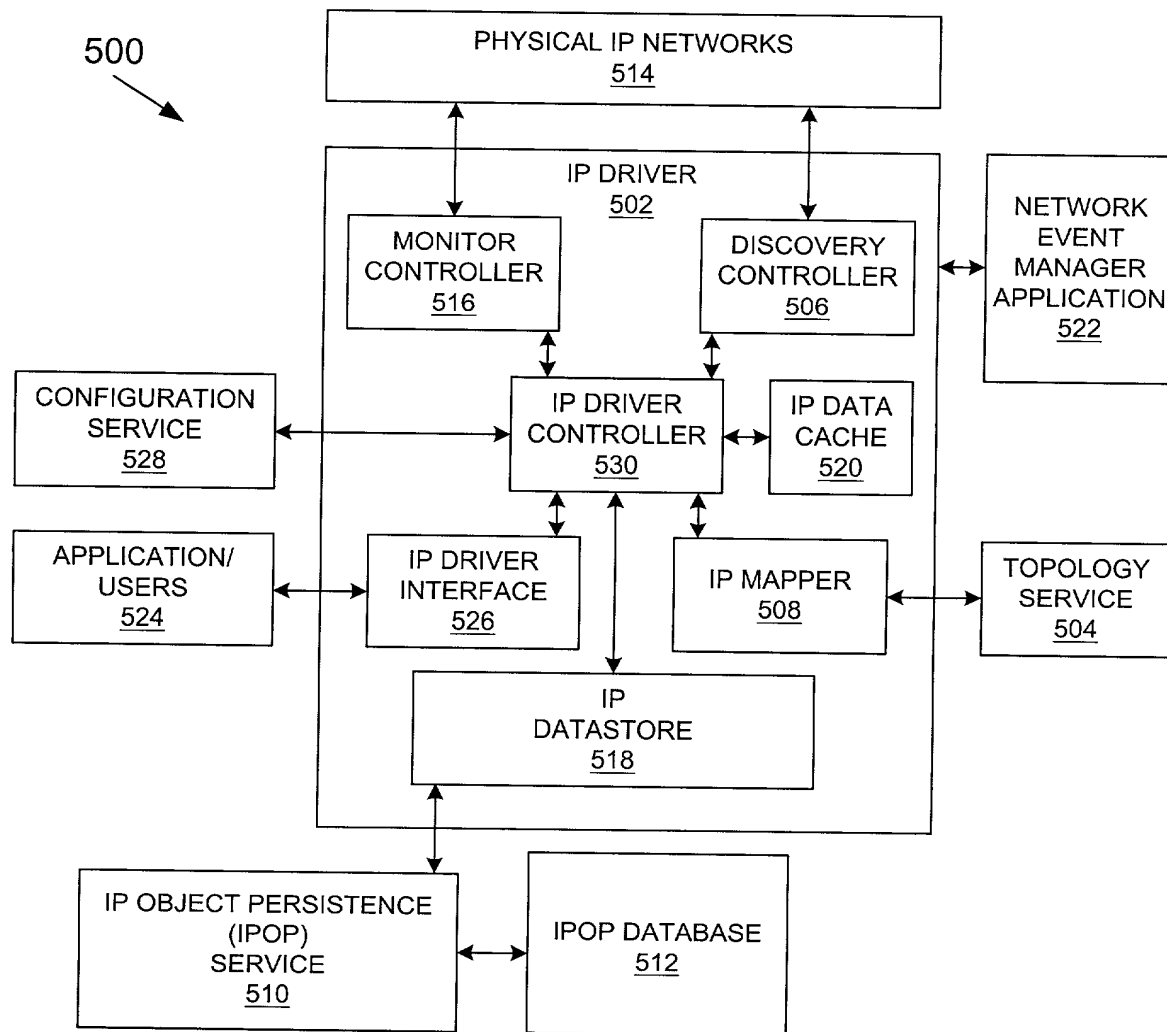


FIG. 5

```

CLASS ACTION_OBJECT {
    // CONSTRUCTOR
    ACTION_OBJECT( LONG IPADDRESS, SHORT VIRTUALPRIVATENETWORKADDRESS )
        THROWS BADADDRESS ...
    .
    .
    .
    VOID PERFORMACTION( ) // EXECUTES ACTION METHOD
    .
    .
}

```

FIG. 7B

Method and system for management of resource leases
in an application framework system

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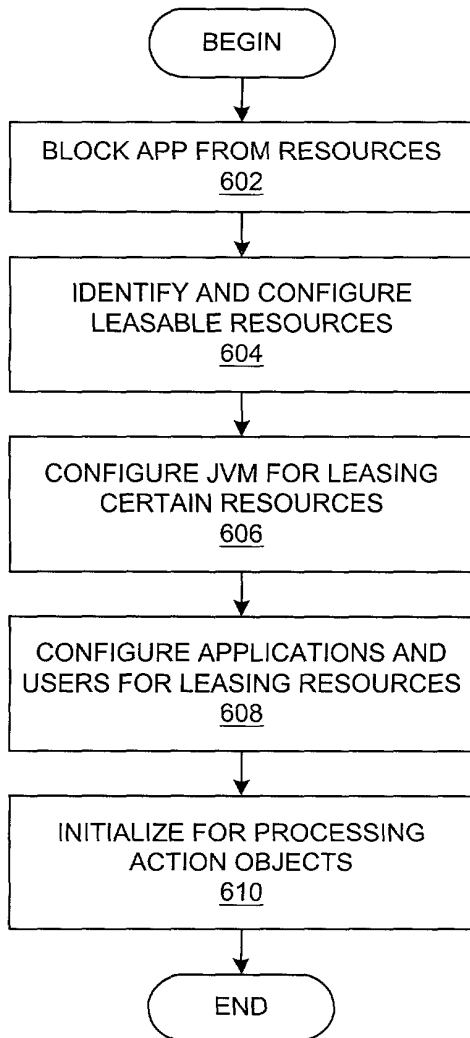


FIG. 6A

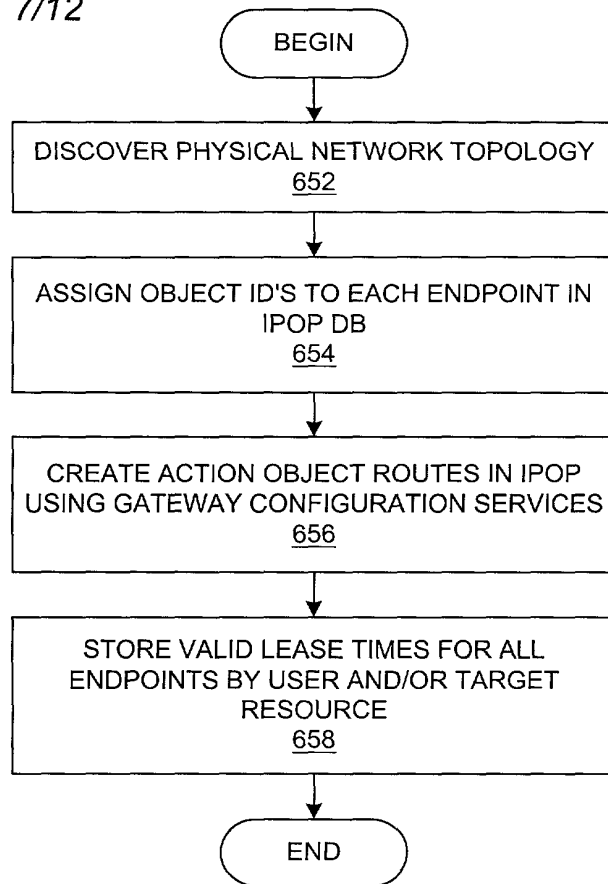


FIG. 6B

```

CLASS LEASE_ACTION_OBJECT EXTENDS ACTION_OBJECT {
    // CONSTRUCTOR
    LEASE_ACTION_OBJECT( LONG IPADDRESS,
                        SHORT VIRTUALPRIVATENETWORKADDRESS, INT LEASETIME)
        THROWS      BADADDRESS, LEASETIMENOTACCEPTABLE_EXCEPTION,
                    LEASEBANDWIDTHMUSTBEREDUCED_EXCEPTION,
                    LEASETERMINATED_EXCEPTION, ...
    .
    .
    .
    PUBLIC INT LEASETIME;      // STORE LEASE TIME

    STATIC FINAL INFINITLEASETIME = -1;
    STATIC FINAL ZEROLEASETIME = 0;
    .
    .
    .
}
  
```

FIG. 7C

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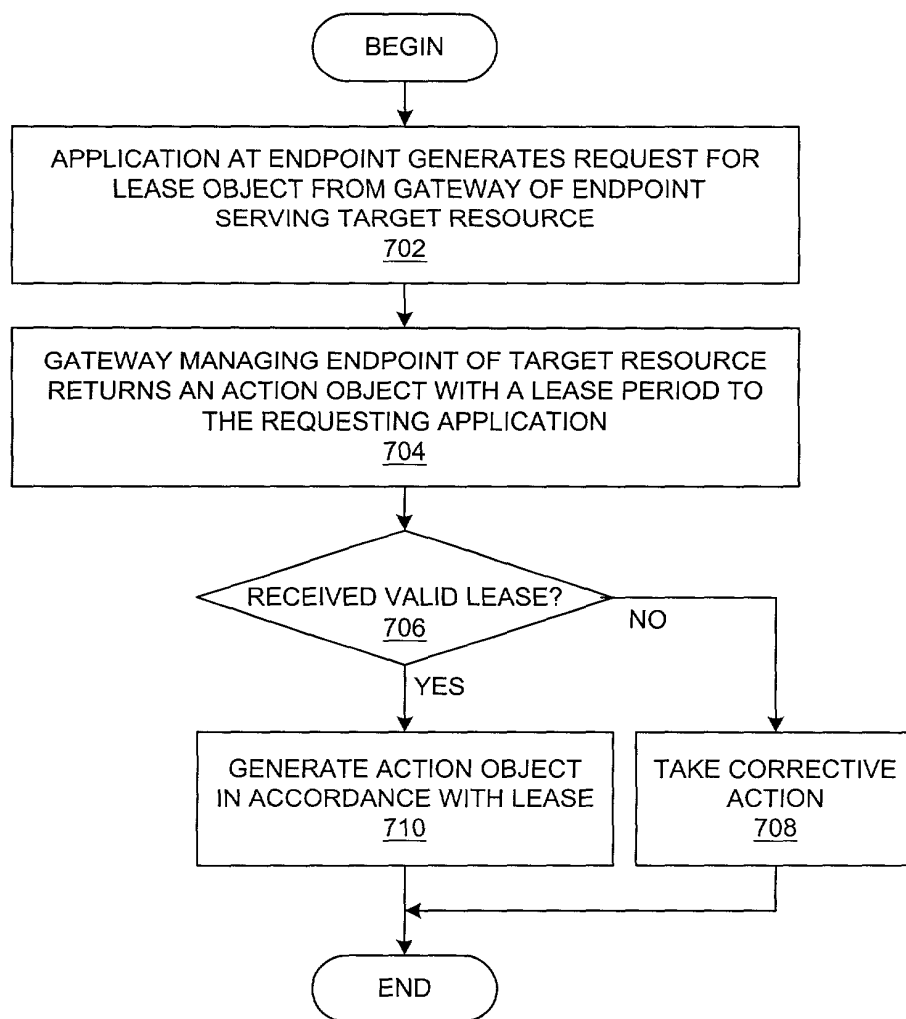


FIG. 7A

```
CLASS LEASETIMENOTACCEPTABLE_EXCEPTION EXTENDS EXCEPTION {  
.  
.  
.  
}  
  
CLASS LEASEBANDWIDTHMUSTEREDUCED_EXCEPTION EXTENDS EXCEPTION {  
.  
.  
.  
}  
  
CLASS LEASETERMINATED_EXCEPTION EXTENDS EXCEPTION {  
.  
.  
.  
}
```

FIG. 7D

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```
XYZ_APPLICATION_METHOD {  
    LEASE_ACTION_OBJECT    MYLEASEDACTIONOBJECT = NULL;  
    .  
    .  
    .  
    MYLEASEDACTIONOBJECT = NEW LEASEDACTIONOBJECT( . . . );  
    MYLEASEDACTIONOBJECT.PERFORMACTION( . . . );  
    .  
    .  
    .  
}
```

FIG. 7E

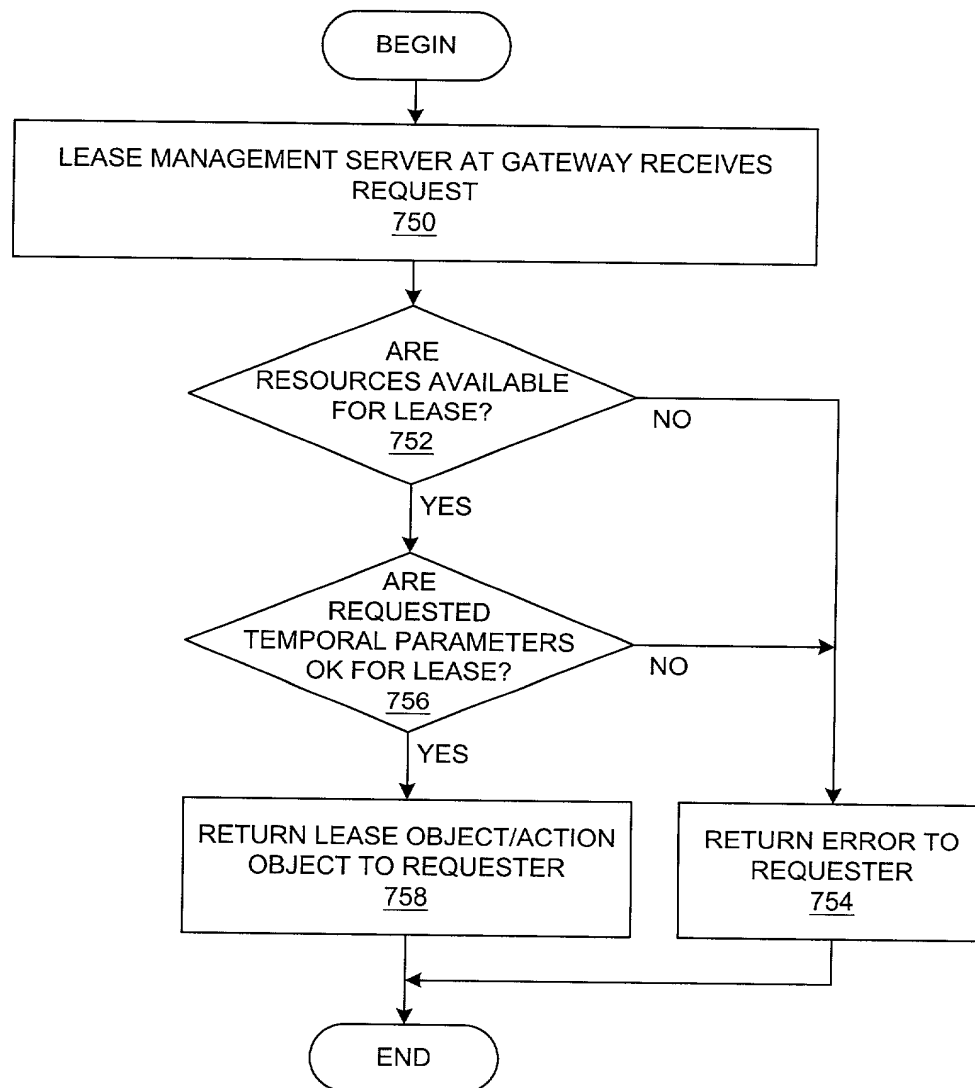


FIG. 7F

Method and system for management of resource leases
in an application framework system

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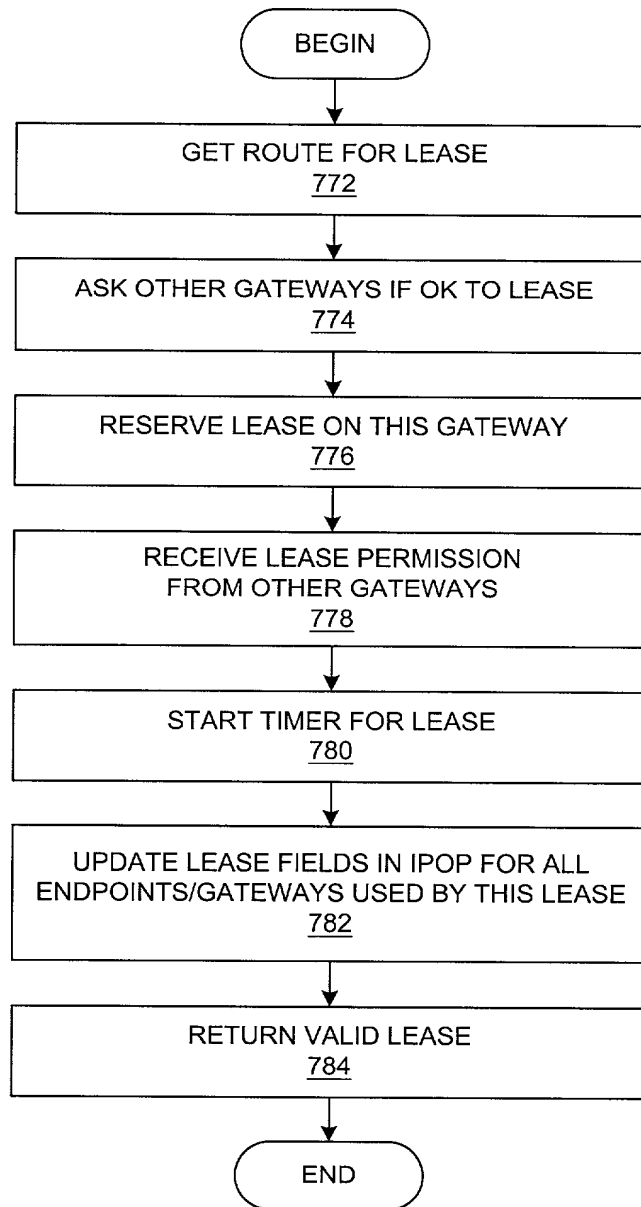


FIG. 7G

Method and system for management of resource leases
in an application framework system

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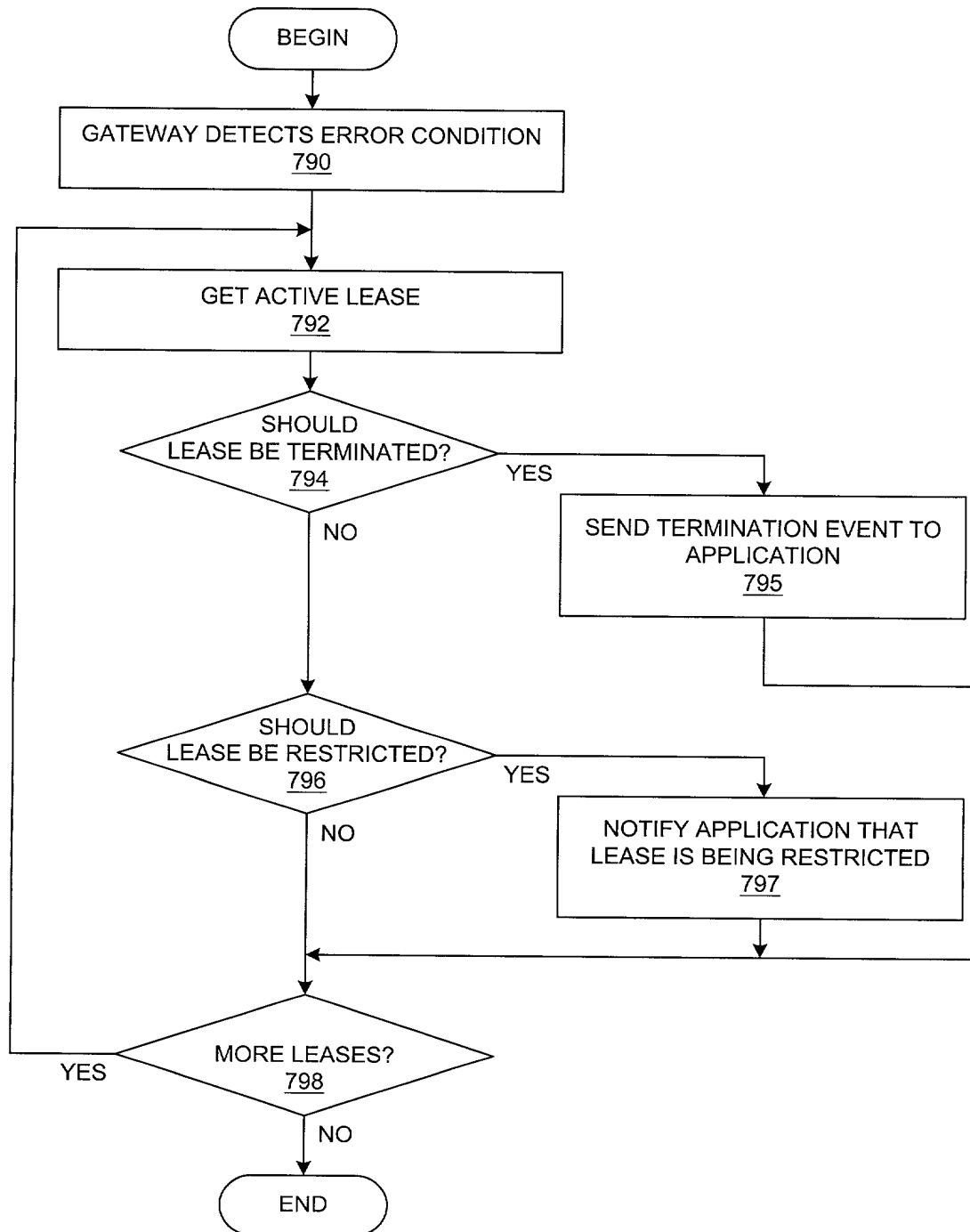


FIG. 7H

Method and system for management of resource leases
in an application framework system

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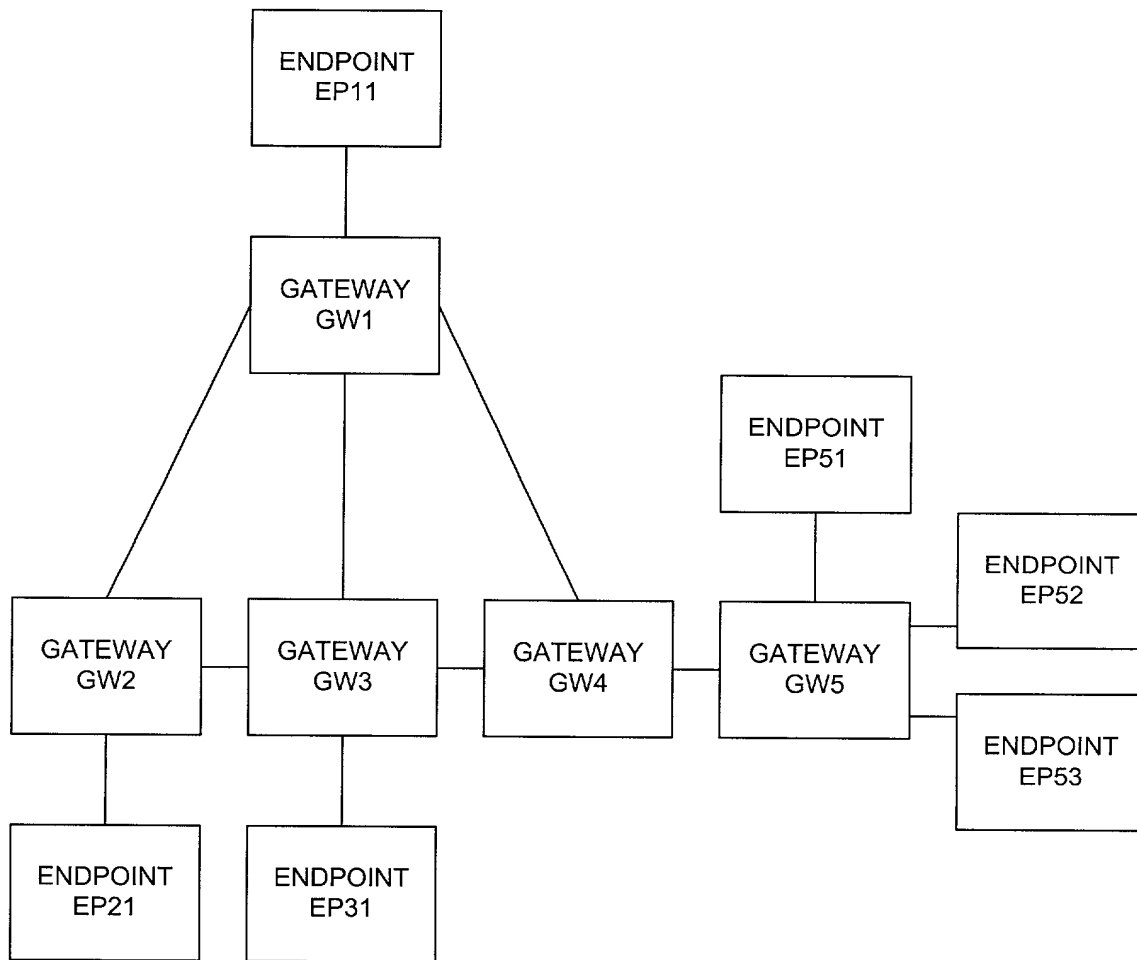


FIG. 8